



December 2023

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Missouri Floodplain Management E-Bulletin



Volume 6, Issue 2

State Emergency Management Agency (SEMA) Floodplain Management Section

Issue 1 - FY 2023 - Floodplain Management E-Bulletin

It's the second quarter of Fiscal Year 2023, and time for the second FY23 *Missouri Floodplain Management E-Bulletin*!

CFM

The Community Assistance Program-State Support Services Element (CAP-SSSE) grant is a cooperative agreement between the states and the Federal Emergency Management Agency (FEMA). The CAP grant agreement provides funding to State NFIP Coordinating Agencies to support communities in implementing the requirements of the National Flood Insurance Program (NFIP). One of the concerns of FEMA is that the state floodplain management program staff have continuing education and experience in the floodplain management profession. To meet FEMA's education and experience requirements, all SEMA floodplain management staff must have ASFPM's Certified Floodplain Manager (CFM) designation. This signifies that staff have met certain standards and possess the necessary knowledge to excel in the floodplain management field.



The importance of the CFM designation has carried through to others at SEMA! The Recovery Division Manager and his Deputy both recognized the value of the CFM Certification and are now CFMs in good standing. In addition, the Floodplain Engineering & Mapping Section Manager and staff are also CFMs! Congratulations to Deputy State NFIP Coordinator Lauren Imhoff, Floodplain Engineering & Mapping Section Manager Sydney Roberts and Floodplain Mapping Technical Assistant Patrick Lower for taking and passing the CFM exam in 2023!

Photo:
Deputy State
NFIP
Coordinator
Lauren Imhoff



The exam contains questions in the proportions shown for these seven categories .

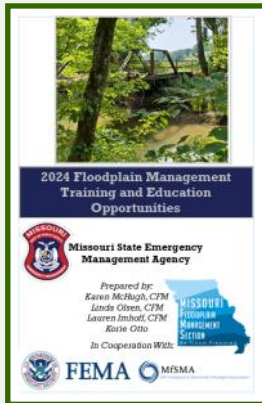
Percentage	Category	Approximate number of exam questions
20 – 25%	Floodplain Mapping	24 – 30
20 – 25%	NFIP Regulatory Standards	24 – 30
15 – 20%	Regulatory Administrative Procedures	18 – 24
10 – 15%	Flood Insurance*	12 – 18
10 – 15%	Flood Hazard Mitigation	12 – 18
10 – 15%	Natural and Beneficial Functions	12 – 18
5 – 10%	Overall context of Floodplain Management	6 – 12

*Note: As of 4/1/2022, the exam does NOT include any questions on Risk Rating 2.0 regulations.

In November, the Floodplain Management Section presented four (4) 1-hour long Lunch & Learn workshops to help potential CFM exam takers study for the test. We hope to present the same four workshops next November.

For a list of all 163 Missouri CFM's, visit ASFPM's website at [Floods.org](https://www.floods.org)!

Floodplain Administrators will receive the 2024 Floodplain Management Training and Education Opportunities brochure by mail soon. Here are the highlights!



2024 Tools & SDE 3.0 Course Registration Made Easy!

Access course registration at:

[https://mfsma.org/
meetinginfo.php](https://mfsma.org/meetinginfo.php)

2024 Tools of Floodplain Management

March 21, 2024 - 1st day	1:00pm - 5:00pm
March 22, 2024 - 2nd day	8:00am - 3:00pm
May 21, 2024 - 1st day	1:00pm - 5:00pm
May 22, 2024 - 2nd day	8:00am - 3:00pm
July 18, 2024 - 1st day	1:00pm - 5:00pm
July 19, 2024 - 2nd day	8:00am - 3:00pm
Sept. 24, 2024 - 1st day	1:00pm - 5:00pm
Sept. 25, 2024 - 2nd day	8:00am - 3:00pm

2024 & 2025 Substantial Damage Estimator (SDE) 3.0 Training Locations:

July 30, 2024— Nodaway Co., Nodaway Co. Administration Center, 403 North Market St., Maryville, Mo

August 14, 2024 — Stoddard Co., Stoddard Co. Ambulance District, 501 W. Bus. Hwy 60, Dexter, Mo

October 9, 2024 — Cedar Co., Stockton City Community Room, 209 North St., Stockton, Mo

November 19, 2024 — Perry Co., Perry Co. Health Dept. Bldg., Suite 3, 406 N. Spring St., Perryville, Mo

January 9, 2025 — Callaway Co., Callaway Co. Fulton Legends Rec-Plex, 808 State St., Fulton, Mo

February 5, 2025 — Carter Co., Carter Co. Courthouse, Commissioner's Room, 1122 Main St., Van Buren, Mo

April 16, 2025 — McDonald Co., Pineville Community Center, 602 Jesse James Rd., Pineville, Mo

June 18, 2025 — Johnson Co., Warrensburg Fire Station 2 training room, 1550 Corporate Dr., Warrensburg, Mo

SEMA Floodplain Management Section's 2024 Virtual Lunch & Learn Series Schedule 11:30am—12:30pm 1 hour CECs each:

Basic NFIP 101

January 18th, May 16th, and September 19th

A Guide to Writing Floodplain Development Permits

February 15th, June 20th, and October 17th

Preparing for Post-Disaster Responsibilities

March 28th, and July 25th

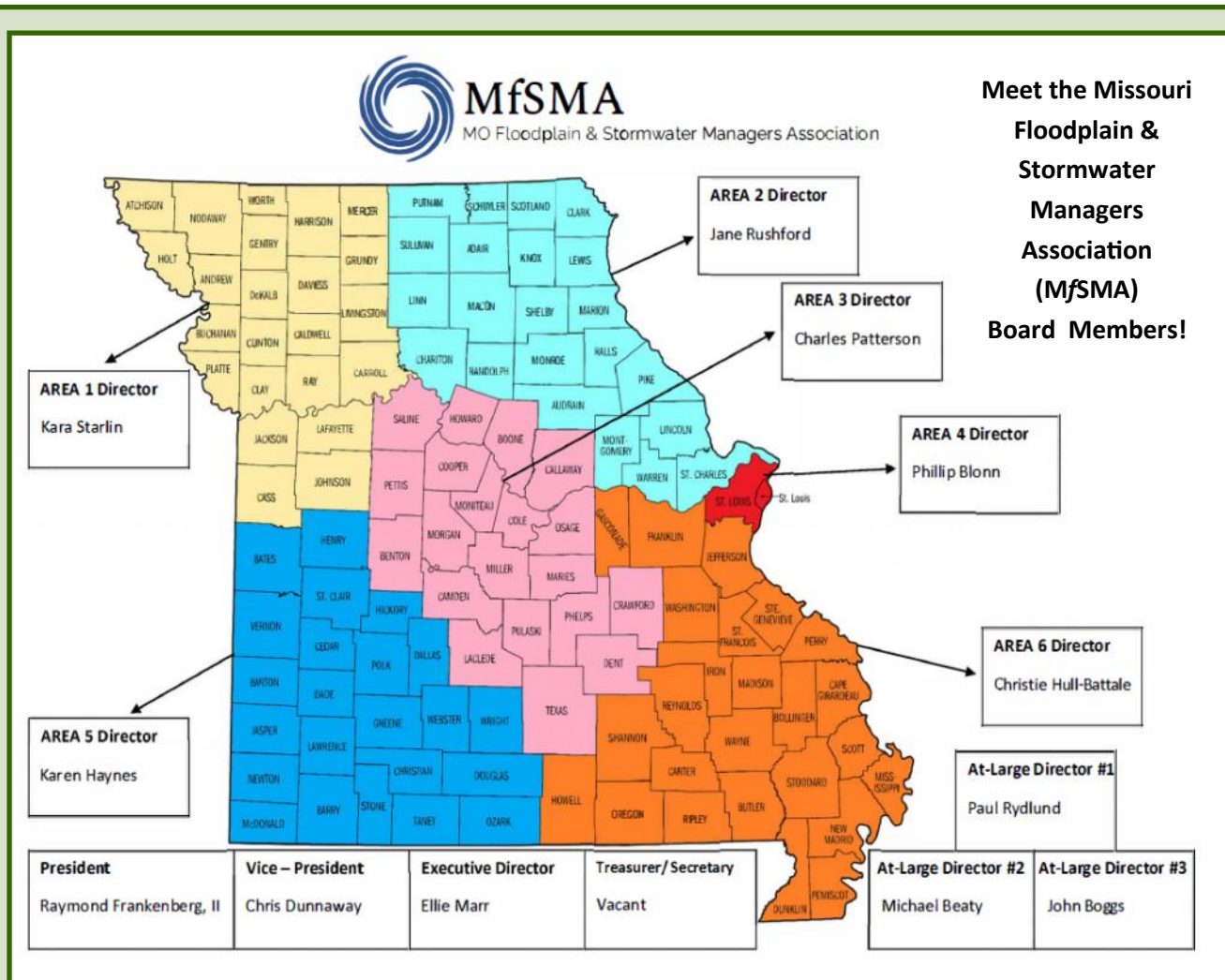
Floodplain Question & Answers

April 18th, and August 15th

NFIP Training Workshop (a good prep before taking the CFM Exam)

#1 November 5th, #2 November 12th,
#3 November 19th, #4 November 26th

Look for emails from Lauren Imhoff for registration.



The Missouri Floodplain and Stormwater Managers Association, Inc. (MfSMA) is a non-profit organization of professionals involved in floodplain and stormwater management within the State of Missouri. Membership in the association is comprised of local and state government officials, engineers, land surveyors, insurance agents, mortgage lenders, and individuals from private industries or those engaged in the management of floodplains or stormwater. MfSMA supports the State Emergency Management Agency in providing several floodplain management courses throughout the year and provides an annual conference that provides an ideal industry forum for networking and educational purposes.

The Association provides an additional link between state/federal government agencies and the local community officials, or private companies, or individuals, the MfSMA Board monitors information provided through governmental agencies and our parent, ASFPM, concerning stormwater or floodplain management issues and provides this information to its members.

As an educational organization our annual membership dues are \$50 for individuals and \$200 for corporate members, which includes up to 5 memberships. There is also a special rate for student members at \$10. If you are interested in becoming part of our association, please feel free to contact any of our officers or district representatives. We will be happy to provide more information.

For more information about MfSMA and how to join the association, visit the MfSMA website: mfsma.org

As a nation, we continue to build at-risk structures in or near floodplains, yet we don't spend nearly enough time or effort considering the adverse impacts of these developments on adjacent properties or locations elsewhere in the watershed. The minimum standards we follow today – if, indeed, there are standards being utilized at all – result in increasingly difficult flood issues and higher flood risk to our nation's communities and its citizens. Some of these persistent flood risk issues are historical. Towns and cities were often settled near watercourses for transportation, while others, especially in the arid west, were settled where precious water was available as a resource. However, today, poorly designed and constructed development and redevelopment and a changing climate are increasing flood risk to these communities. Many jurisdictions deal with persistent flood problems. Residents and business owners in some of those same communities attend board meetings after a heavy rain, complaining of flooding and demanding that flood problems be fixed. Communities can get ahead of these flooding issues, avoid causing problems for themselves and others, and ultimately lessen their flood risk by embracing a new approach to managing their flood problems – the **No Adverse Impact (NAI)** approach. In essence, NAI floodplain management takes place when the actions of one property owner are not allowed to adversely affect the rights of other property owners. Rather than depending on the minimum requirements of federal or state programs, NAI provides tools for communities to provide a higher level of protection for their citizens to prevent increased flooding now and in the future. Visit the ASFPM website to download the following NAI Toolkit and NAI Toolkit How-to-Guides:

NAI Toolkit

[No Adverse Impact : a toolkit for common sense floodplain management](#)

NAI Toolkit How-to-Guides

[NAI How-to Guide for Emergency Services](#)

[NAI How-to Guide for Hazard Identification and Floodplain Mapping](#)

[NAI How-to Guide for Regulations and Development Standards](#)

[NAI How-to Guide for Education & Outreach](#)

[NAI How-to Guide for Planning](#)

[NAI How-to Guide for Mitigation](#)

[NAI How-to Guide for Infrastructure](#)



Other NAI Documents

[Property Rights and Community Liability: The Legal Framework for Managing Watershed Development, 2007](#)

[Legal Questions: Government Liability and No Adverse Impact Floodplain Management](#)

[Community Liability and Property Rights: As Mayor or County Commissioner, should you worry about your liability in the event of a flood?](#)

Other NAI Documents

[NAI White Paper](#)

[NAI – A Common Sense Strategy for Floodplain Management Presentation](#)

[No Adverse Impact Case Studies, 2004](#)

[Common Legal Questions about Floodplain Regulations in the Courts](#)

[Legal Questions: Government Liability and No Adverse Impact Floodplain Management](#)

[No Adverse Impact: Community Liability and Property Rights: As Mayor or County Commissioner, should you worry about your liability in the event of a flood?](#)

[No Adverse Impact Status Report: Helping Communities Implement NAI, 2002](#)

News From Our Federal Partners

The Federal Quad Agency workshop is an interagency collaborative among representatives from the Federal Emergency Management Agency (FEMA), National Weather Service (NWS), U.S. Army Corps of Engineers (USACE), and U.S. Geological Survey (USGS) that discusses operations, projects, initiatives and regulatory concerns as it pertains to river/rainfall observations, river forecasts, and decision and regulatory support products and services. This year highlighted unprecedented discussions from the Association of State Floodplain Managers (ASFPM) Region VII State chapters of Nebraska (NeFSMA), Iowa (IfSMA), and Missouri (MfSMA). Paul Rydlund, PLS, CFM, from the USGS, is a board and committee member of MfSMA who has been on the planning committee for the Federal Quad Agency workshop and was instrumental in incorporating floodplain management discussions for the first time in the workshop's 15-year history. MfSMA president Ray Frankenberg, PE, PLS, CPESC, CESSWI, CFM, presented on behalf of MfSMA regarding history, accomplishments, engagement, and relevance among federal partners involved in the workshop. Ray Frankenberg interacted with other state chapter presidents in Nebraska and Iowa and connected to Federal agency representatives further promoting MfSMA and gaining a better understanding of available resources and pathways for federal interaction. Paul Rydlund is planning to include more interactive discussions represented by NFIP state coordinators and floodplain managers for future annual Quad Agency workshops.



Ray Frankenberg speaking at the Federal Quad Agency workshop: Photo Credit: Paul Rydlund

News From Our State Partners: Natural and Beneficial Functions of a Floodplain

From the Missouri Department of Transportation website: www.modot.org/floodplain-management

How are Floodplains beneficial? Floodplains provide a number of important functions in the natural environment, including creating wildlife habitat, providing temporary storage of flood water, preventing heavy erosion caused by fast moving water, recharging and protecting groundwater, providing a vegetative buffer to filter contaminants, and accommodating the natural movement of streams. MoDOT avoids or minimizes encroachment into floodplains whenever possible in order to preserve these values for the future. MoDOT conducts engineering analyses of floodplain impacts to avoid and reduce impacts by bridging wherever possible. The use of bridges serves a dual function by reducing wetland disturbance while minimizing construction impact in the floodplain. Where feasible, the proposed crossings are located adjacent to existing road crossings where the additional impact is minimized.

News from the Association of State Floodplain Managers (ASFPM)



ASFPM has a Natural & Beneficial Functions Committee whose primary mission is to promote the natural and ecological benefits and functions of our floodplains, to reduce flood losses, enhance public safety and enhance the socioeconomic and environmental sustainability of our communities. The committee pursues its mission through the promotion and support of education, policies and activities that protect the natural and beneficial functions of floodplains. Please visit the website for valuable committee information. To view ASFPM's Natural & Beneficial Functions Committee information, follow this [Link](#).

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The Mission Statement of the Floodplain Management Section:
The mission of Missouri's Comprehensive Floodplain Management Program is to make the state and its citizens less vulnerable to the impact of flooding through the effective administration of statewide floodplain management, and to provide local communities with the tools and resources for managing, assessing, and planning for development in flood prone areas; to save lives; and to protect property.



Other Contact Information

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Welcome

The Floodplain Management Section is excited to announce the addition of the communities of Grandin (Carter County), Arrow Rock (Saline County), Washburn (Barry County), Houstonia (Pettis County) and Holliday (Monroe County) to the Regular Phase of the NFIP in 2023! The State of Missouri now has 688 NFIP-participating communities! Welcome, and please let the State Floodplain Management Section help with any questions that you have regarding the NFIP!

30 years ago, the Midwestern United States experienced one of the worst flood disasters in modern U. S. history. The Illinois State Geological Survey, Prairie Research Institute and the University of Illinois created an amazing and accurate virtual look at the history of the Great Midwestern Flood of 1993. The virtual story map covers weather and climate conditions in 1993, the levees that failed, the rain that would not stop, and the flood that would not leave. Resilience, recovery, and preparing for the future are disused. Please follow this link for the story of the Great Flood of 1993! It is well worth your time!



<https://storymaps.arcgis.com/stories/26a76c08424b4095a522d000a2c8eb50>